

THE SPECIFICATION

Paragraph [0086], beginning on page 27 of the application as originally filed, is presently amended as follows:

[0086] An example of this extension of the PNRP of the present invention to DNS is illustrated in FIG. 7. This figure illustrates the two spaces, the DNS space 200 and the peer to peer space 202. The linkage between these two spaces is provided by a server 204 having an exemplary name of ptpt.microsoft.com. A node 206 existing in the peer to peer space 202 may have an exemplary name of 123450AF39.ptpt.microsoft.com. Alternatively, the unique number ID may be replaced with a friendly name as discussed above with regard to the name to number extension to the core protocol. When a node 208 in the DNS space 200 wishes to find the node 206 in the peer to peer space 202, it 208 sends a DNS query to the .com root server 210, which passes the query to the .microsoft server 212, which passes the query to the .ptpt server 204. This server then uses the node id and the protocol of the present invention to find the target node 206 in the peer to peer space 202 as discussed above. When the target node 206 is found, the address is returned to the requesting node 208 in the DNS space. When a new node [[214]] wishes to plug into the system and seed its cache, it simply sends a request for a node having an id in the form of <random number>.ptpt.microsoft.com.

Thus, paragraph [0086] should now read as follows:

[0086] An example of this extension of the PNRP of the present invention to DNS is illustrated in FIG. 7. This figure illustrates the two spaces, the DNS space 200 and the peer to peer space 202. The linkage between these two spaces is provided by a server 204 having an exemplary name of `ptp.microsoft.com`. A node 206 existing in the peer to peer space 202 may have an exemplary name of `123450AF39.ptp.microsoft.com`. Alternatively, the unique number ID may be replaced with a friendly name as discussed above with regard to the name to number extension to the core protocol. When a node 208 in the DNS space 200 wishes to find the node 206 in the peer to peer space 202, it 208 sends a DNS query to the `.com` root server 210, which passes the query to the `.microsoft` server 212, which passes the query to the `.ptp` server 204. This server then uses the node id and the protocol of the present invention to find the target node 206 in the peer to peer space 202 as discussed above. When the target node 206 is found, the address is returned to the requesting node 208 in the DNS space. When a new node [[214]] wishes to plug into the system and seed its cache, it simply sends a request for a node having an id in the form of <random number>`.ptp.microsoft.com`.